Art s and Media Cluster Certificate of Initial Mastery

I. ACADEMIC SKILLS

Basic Level of Proficiency

and	Mathematics. Check all that apply
	CMT - met state goal
	CAPT - met state goal
	SAT - achieve 1000 or higher
	CASAS ECS Level C - exit out
	CASAS ECS Level D - exit out
	Nationally recognized test -
SC	cored at 75th percentile or higher

II. TECHNICAL SKILLS

Reading

Read and define scripts, plays, news media articles Understand technical terms Read and understand various literary works

Read and understand historical texts on subjects such as folk art, drawing, painting, sculpture, design – to film and video

Writing

Use artistic terminology properly in written materials
Edit scripts, copy, news articles
Write, improvise and refine scripts in a variety of traditional and new forms
Design coherent stage management, promotional and business plans
Fill out work-related forms
Ability to write Internet Web content
Write news copy

• Mathematics

Understand algebra and trigonometry for use in computing time codes, numerical measurement of light and analyzing data Use a scale in design or constructions Understand math application for budgeting Read floor plans

Scientific Knowledge

Knowledge of basic anatomy and kinesiology Basic knowledge of good nutrition and healthy life practices as they relate to dance Draft blueprints Understanding of colors and how light

reflects, refracts

Knowledge of how camera and film respond to different types of light Understanding of optics Knowledge of physical properties of film and objects

Know how to explain the basic physical and chemical properties of light, color, electricity Knowledge of taking, developing and processing photographs, including printing negative faults, chemistry, film characteristics, exposure, filters, optics, light, color and cameras Knowledge of line and continuous tone cog

Knowledge of material properties Knowledge of electricity

• Speaking and Listening

Listen effectively

Phrase artistic concepts clearly
Use professional terminology correctly
Describe the action and movement elements
observed in a dance, using appropriate movement
vocabulary

Conduct auditions

Direct scenes

Prepare an aesthetic photographic presentation Form and defend judgments about characteristics and structures to accomplish goals

Problem solving and analytical

Evaluate music and music performances
Understand relationships between music, the
other arts, and disciplines outside the arts
Understand music in relation to history and culture
Listen to, analyze and describe music
Apply and demonstrate critical and creative
thinking skills in dance
Understand dance and theater in various cultures
and historical periods
Understand how to evaluate dance, such as the
skill of performers, originality, visual and/or
emotional impact, variety and contact
Respond appropriately to technical difficulties
Use resources efficiently

Interpret dramatic texts

Organize and conduct rehearsals for informal or formal productions

Create and implement production schedules, stagemanagement plans, promotional ideas, and business and front-of-house procedures for informal and formal productions

Compare and integrate art forms by analyzing traditional theater; dance music, visual arts and new art forms

Research cultural, historical and symbolic clues in dramatic texts

Research and describe appropriate historical production designs, techniques and performances from various cultures

Research ability

Understand how to evaluate photographs,

including impact, variety, technical skills and contrast

Understand and apply media, techniques and processes

Apply knowledge of structures and functions to evaluate the effectiveness of artworks Create multiple solutions to specific visual arts problems

Artistic/Creative Skills

Musical ability and skill

Knowledge of instruments and voice

Skill in sight-reading, transposing, improvising, memorizing

Sing, alone and in groups, a varied repertoire of music

Perform on instruments, alone and in groups, a varied repertoire of music

Improvise melodies, variations and accompaniments

Compose and arrange music with specified guidelines

Read and notate music

Identify and demonstrate movement elements and skills in performing dance

Demonstrate accurate memorization and reproduction of movement sequence

Understand choreographic principles, processes and structure

Understand dance to create and communicate music

Demonstrate musical aptitude

Havre knowledge of the art form and know how to respond to it

Understand composition, design and aesthetics Know how to demonstrate various classical and contemporary acting techniques and methods

Dramatic/comedic talent and skill

Knowledge of voice

Ability to express a wide range of emotions and character traits

Understand the use of color, light and image in photography

Demonstrate imagination

Create art in an Internet Web environment Demonstrate creativity

Occupation-Specific Knowledge and Skills

Understand and use dance notation

Understand technology of the industry

Apply technical knowledge and skills to create functional scenery, properties, lighting, sound, costumes and makeup.

Know how to safely operate technical equipment relating to productions

Know how to operate cameras and related equipment

Know how to develop film

Knowledge of equipment for occupation

Operate machinery related to job

• Computer Skills

Understand CAD technology

Understand basic software programs

Knowledge of the Internet

III. EMPLOYABILITY SKILLS

Attitudes & Attributes

- 1. Takes initiative
- 2. Assumes responsibility
- 3. Displays a good self-concept
- 4. Persists until job is done
- 5. Works well without supervision
- 6. Takes responsibility for production/quality
- 7. Conflicts do not impede performance
- 8. Seeks new challenges
- 9. Applies ethics to behavior
- 10. Responds well to criticism
- 11. Maintains a professional image
- 12. Works well under stress
- 13. Displays positive behaviors
- 14. Follows instructions
- 15. Adheres to code of conduct

Customer Service

- . Adopt a customer service orientation
- Gather information from various sources to identify prospective customers/markets
- 3. Communicate with customer in a professional manner
- Maintain accurate and complete information about customers
- Document and process customer information/orders
- 5. Interpret customer information to identify needs
- 7. Offer options to problems and negotiate solutions
- Show customers how to implement, plan and take action whenever necessary
- O. Monitor implementation plan and take action whenever necessary
- 10. Identify new customer needs
- 11. Inform customer when needs cannot be met
- 12. Make alternate recommendations
- 13. Analyze customer feedback to improve internal customer support process

• Team Work

- . Works effectively in a team
- 2. Follows instructions
- 3. Takes initiative
- 4. Provides support to others
- 5. Fosters innovation
- 6. Manages relationships

• Adaptability:

- Accepts changes
- 2. Performs multiple assignments
- Shows flexibility
- 4. Adjusts style to the situation
- 5. Handles multiple tasks simultaneously
- Adapts skills to new tasks

Business and Finance Cluster Certificate of Initial Mastery

I. ACADEMIC SKILLS

Basic Level of Proficiency

Goals	were met in Reading, Writing
and M	lathematics. Check all that apply
□ C	MT - met state goal
□ C	APT - met state goal
□ S.	AT - achieve 1000 or higher
□ C	ASAS ECS Level C - exit out
□ C	ASAS ECS Level D - exit out
□ N	ationally recognized test -
scor	ed at 75th percentile or higher

II. TECHNICAL SKILLS

Communication Skills

Articulate speaking skills Excellent listing skills

Problem-solving Skills

Understand products and services
Understand terminology
Understand the financial dynamics of
the business and how it functions,
how the parts fit together, how it
operates in the marketplace, how it
competes, its key leverage points, and
how actions and decisions translate to
the bottom line.
Understand how the economy impacts

Understand how the economy impacts business risk and returns
Understand economic trends and business cycles in the USA during the 21st century

Understand the development of business regulation

Computer Knowledge and Skills

Understand importing document
Use specialized software such as MS
Office (Word, Excel, PowerPoint,
Outlook), email, desktop publishing or
graphics programs,(proficient with
numbers, symbols, keypad, possess
accuracy, rhythm, speed)
Use computer for basic bookkeeping
functions
Understand use of the Internet

III. EMPLOYABILITY SKILLS

• Attitudes & Attributes

- 1. Takes initiative
- 2. Assumes responsibility
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• Customer Service

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Team Work

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Adaptability

- 1. Accepts changes
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- 5. Handles multiple tasks simultaneously
- 6. Adapts skills to new tasks

Construction Technologies & Design Cluster Certificate of Initial Mastery

I. ACADEMIC SKILLS

Basic Level of Proficiency

Goals were met in Reading, Writing and Mathematics. Check all that apply
☐ CMT - met state goal
☐ CAPT - met state goal
☐ SAT - achieve 1000 or higher
☐ CASAS ECS Level C - exit out
☐ CASAS ECS Level D - exit out
□ Nationally recognized test -
scored at 75th percentile or higher

I. TECHNICAL SKILLS

Communication Skills

Write various reports Prepare service bills Establish and maintain customer dialogue (internal/external) Conduct presentations

• Data Interpretation

Interpret values from test equipment Interpret measuring instruments Interpret blueprint specifications Interpret and follow directions Use statistical techniques, including mean, median and standard deviation Estimate materials and volume Interpret results from quantitative data Interpret two-dimensional drawings Determine quality level to decide whether other not to continue Apply health and safety, environmental, and fire prevention compliance issues to job tasks Apply OSHA safety and hazardous material regulations to job task Apply legal requirements and government regulations to job tasks (codes, specifications, etc.)

Diagnostics

Use basic hand tools
Test equipment
Troubleshoot and repair equipment
and/or recommend improvements
Apply physics principals associated
with mechanics, pneumatics,
hydraulics, electronic and electricity to
job tasks
Identify resources too complete a job

task
Use programmable controllers

Use programmable controllers Build processes and prototypes according to internal product design, engineering instructions and customer specifications

Maintain inventory levels, quality, availability and flow Apply principles of electricity, plumbing, compressed air systems, HVAC systems and carpentry to job tasks

Tools, Equipment and Machines Demonstrate mechanical aptitude

Concepts

Basic knowledge of general management principles Basic knowledge of project management Basic knowledge of cost analysis Basic knowledge of contracts, bids and proposals

• Computer Knowledge Use CAD/CAM

III. EMPLOYABILITY SKILLS

Attitudes & Attributes

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Team Work

Works effectively in a team

- 1. Follows instructions
- 2. Takes initiative
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- Fosters innovation
- Manages relationships

Adaptability

- . Accepts changes
- . Performs multiple assignments
- 3. Shows flexibility
- 4. Adjusts style to the situation
- 5. Handles multiple tasks simultaneously
- 6. Adapts skills to new tasks

Environmental, Natural Resources and Agriculture Cluster Certificate of Initial Mastery

I. ACADEMIC SKILLS

Basic Level of Proficiency

	als were met in Reading, Writing 1 Mathematics. Check all that apply
	CMT - met state goal
	CAPT - met state goal
	SAT - achieve 1000 or higher
	CASAS ECS Level C - exit out
	CASAS ECS Level D - exit out
	Nationally recognized test -
S	cored at 75th percentile or higher

II. TECHNICAL SKILLS

Instructions

Follow complex instructions on Material Safety Data sheets and their pertinent health and safety documentation Discern step sequence in general instructions

Research

Locate and obtain information in federal, state and local statutes, regulations and technical references

Obtain, retrieve and order data and information

Relate descriptive language to technical concepts

• Analysis

Comprehend the meaning of technical terminology

Interpret signs, symbols and labels.

Examples: HMIS, NFPA, OSHA hazard markings

Interpret a variety of maps, process flow diagrams, logic/decision diagrams, instrument circuit diagrams, blueprints and building drawings

Interpret statutes, regulations and technical references

• Reports, Letters and Memos

Develop simple technical reports Structure report by topic per paragraph Write simple and logical instructions/sequences

• Log and Records

Describe physical, chemical and operation situations in clear language. Keep accurate business records.

Graphics

Use a graphic organizer effectively

Processing

Use a scientific calculator Interpret columnar cart data in mathematical terms

Spot inconsistencies in a series Interpret meters and scales

• Physical Situations

Apply scales to maps, diagrams and drawings

Discern spatial relationships and visualize in three dimensions

Use basic vector concepts

Interpret time-dependent mathematical relations

Listening

Wait and think before answering Remember by listening and watching Analyze what's being said for accurate content

Use critical thinking/questioning to assess content

Evaluate stated basis for decisions

Formulate intelligent questions

Obtain accurate answers

Validate information before passing along

• Logic, problem-solving, analytical

Use sequential logic, make simple flow diagrams

Make organized subsets/tabulate information

Interpret trends

Apply cause-and-effect principles

Apply correlation equations and principles Apply deductive and inductive reasoning to situations

Make working diagrams of physical situations

Conceptualize physical and chemical problems on paper

Organize problems for diagnosis

Apply background and academic knowledge to a problem

Interpret exponential and logarithmic relations

Detect faulty data

Computer Skills

Use drawing/drafting program Interface measuring instrument with computer

Technical/Scientific Skills

Practical Sciences

Apply non-stoichiometric real world reaction conception

Apply safe handling of chemicals/fire hazard concepts

Apply basic fluid flow concepts, mass flow and contaminant flow

Apply temperature, pressure and volume relation concepts

Use basic physical chemistry measurement instruments

Operate, calibrate and maintain basic chemical and physical measurement instruments

Apply elementary chemical sampling and testing

Demonstrate basis wetlands classification knowledge

Understand basic chemical reactions and effect concepts

Understand basic chemical properties and use concepts

Use basic ecology principles

Understand basic hydrogeology concepts. Example: Surface and groundwater flow

Use basic cycles concepts. Examples:

hydrologic cycle, carbon food chain

Use basic contours and gradients concepts. Examples: mapped surfaces, directed fluid flow

Use basic knowledge of animal care, e.g., animal facilities, diseases and disease prevention

Use basic zoology concepts

Use basic toxicology concepts

Use basic ecology principles

Apply basic scientific method

Know how machines are built and how they work

Know residuals, contaminants and byproducts from processes

Principles of measuring instruments

Know basic production processes

Understand basic chemical sampling and testing principles

Know basic environmental regulatory concepts

Know basic electricity concepts

Know basic gas and liquid flow control concepts

III. EMPLOYABILITY SKILLS

Attitudes & Attributes

- 1. Takes initiative
- 2. Assumes responsibility
- 3. Displays a good self-concept
- 4. Persists until job is done
- 5. Works well without supervision
- 6. Takes responsibility for production/quality
- . Conflicts do not impede performance

Maintains a professional image

- 8. Seeks new challenges
- . Applies ethics to behavior
- 10. Responds well to criticism
- 12. Works well under stress

- 3. Displays positive behaviors
- 4. Follows instructions
- 15. Adheres to code of conduct

Customer Service:

- 1. Adopt a customer service orientation
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• Team Work:

- 1. Work s effectively in a team
- Follows instructions
- 3. Takes initiative
- 4. Provides support to others
- 5. Fosters innovation
- 6. Manages relationships

Adaptability:

- 1. Accepts changes
- 2. Performs multiple assignments
- 3. Shows flexibility
- 4. Adjusts style to the situation
- 5. Handles multiple tasks simultaneously
- 6. Adapts skills to new tasks

Government, Education and Human Services Cluster Certificate of Initial Mastery

☐ Knowledge of group therapy techniques

such as client-centered behavior

			nonprescription drugs
<i>I</i> .	ACADEMIC SKILLS		Knowledge of principles and practices
	Posic Level of Proficionay		involved in the care, custody and
_	Basic Level of Proficiency		rehabilitation of youth
Т	Goals were met in Reading, Writing		Knowledge of principles and practices of
	and Mathematics. Check all that apply.		family therapy
П	and Mathematics. Check an that appry.		Ability to apply general scientific
ı	☐ CMT - met state goal		knowledge in a variety of circumstances
	☐ CAPT - met state goal		(e.g. environment)
	☐ SAT - achieve 1000 or higher		Knowledge of toxic and flammable
	☐ CASAS ECS Level C - exit out		substances
	☐ CASAS ECS Level C - exit out	•	Speaking and Listening Skills
		П	Ability to recruit and utilize volunteers
ı	Nationally recognized test -		Ability to phrase legal concepts clearly
L	scored at 75th percentile or higher	_	Problem-Solving and Analytical Skills
,,	TECHNICAL CVILLS	_	Ability to analyze and interpret laws
	TECHNICAL SKILLS		and regulations
•	Reading		
	Read and understand grant applications		Ability to gather and analyze data
Ш	Ability to read and understand agency		Ability to use social service resources
	policies, laws and regulations, statutes a	ınd	efficiently
_	code provisions	_	Some ability to conduct research studies
	Locate information in federal, state and		Ability to understand systems and key
	local statutes, and in regulations and		components
	technical references	•	Occupation-Specific Knowledge and
	Knowledge of legal and legislative	_	Skills
	terminology	Ц	Knowledge of services provided by agency
	Ability to complete grant applications	_	or provider
	Ability to prepare clear, concise, accurat	te ⊔	Knowledge of community resources and
	reports	_	services
	Ability to write routine business letters		Knowledge of relevant state and federal law
	Use professional terminology properly in	n 🗆	Knowledge of basic office methods and
	written material	_	procedures
	Ability to use legal terminology properly		Knowledge of basic office equipment
	written materials		Ability to assess client behavior in terms of
•	Mathematics		desired objectives and in relation to others
	Ability to understand basic budget proce	ess \square	Ability to mediate problems
	Ability to apply mathematical knowledg	ge in \square	Ability to assess individual behavior and
	routine circumstances		observe change in clients
•	Scientific Knowledge and Skills		Ability to interpret statutes, laws and
	General knowledge of psychology and		regulations
	physiology		Ability to comprehend trends in public
	Knowledge of physiological and percept	tual	policy
	disorders such as learning disabilities,		Ability to develop solutions/strategies to
	perceptual handicaps, etc.		address public concerns
	Knowledge of problems of adolescents a	and \square	Ability to interpret case law, legal
	influences of the environment		documents and other written materials
П	Knowledge of psychosis, personality		Knowledge of early childhood education
_	disorder, psychopathology and violence	. 🗆	Basic knowledge of disciplinary techniques
П	Knowledge of the processes of normal		and guidelines for their use
_	human behavior, such as motivation,		Skills in recognizing nonverbal
	emotion, neurosis, etc.		communications such as body language
П	Basic knowledge of psychotropic/anti-		Expertise in legal research techniques
_	anxiety drugs and their therapeutic use		Basic knowledge of legislative and
	anniery arago and men menapeutic use		~ <i>E</i>

modification techniques

☐ Knowledge of first aid procedures

☐ Knowledge of various symptoms caused by

administrative government processes

☐ Knowledge of law enforcement practices

- ☐ Ability to learn state and municipal laws, regulations and procedures ☐ Ability to maintain a complex set of records ☐ Some public relations skills in dealing with clients and social service agencies
- Computer Skills

and routines

- ☐ Basic knowledge of the concepts of the network and Internet/Intranet usage
- ☐ Knowledge of the functioning and use of information technology

III. EMPLOYABILITY SKILLS

Attitudes & Attributes:

- 1. Takes initiative
- 2. Assumes responsibility
- Displays a good self-concept
- Persists until job is done
- Works well without supervision
- Takes responsibility for production/quality
- 7. Conflicts do not impede performance
- Seeks new challenges
- Applies ethics to behavior
- Responds well to criticism
- Maintains a professional image
- Works well under stress
- Displays positive behaviors 13.
- Follows instructions
- Adheres to code of conduct

Customer Service:

- Adopt a customer service orientation
- Gather information from various sources to identify prospective customers/markets
- Communicate with customer in a professional manner
- Maintain accurate and complete information about customers
- Document and process customer information/orders
- Interpret customer information to identify needs
- Offer options to problems and negotiate solutions
- Show customers how to implement, plan and take action whenever necessary
- Monitor implementation plan and take action whenever necessary
- Identify new customer needs
- Inform customer when needs cannot be met
- 12. Make alternate recommendations
- Analyze customer feedback to improve internal customer support process

Team Work:

- Works effectively in a team 1.
- 2. Follows instructions
- Takes initiative

- Provides support to others
- Fosters innovation
- Manages relationships
- Adaptability:
- Accepts changes
- Performs multiple assignments
- Shows flexibility
- 4. Adjusts style to the situation
- Handles multiple tasks simultaneously
- Adapts skills to new tasks

Health and Biosciences Cluster Certificate of Initial Mastery

I. ACADEMIC SKILLS

Basic Level of Proficiency

Goals were met in Reading, Writing and Mathematics. Check all that apply.
☐ CMT - met state goal ☐ CAPT - met state goal ☐ SAT - achieve 1000 or higher ☐ CASAS ECS Level C - exit out ☐ CASAS ECS Level D - exit out ☐ Nationally recognized test - scored at 75th percentile or higher
II. TECHNICAL SKILLS
Reading Instructions
☐ Follow complex instructions such as
protocols, treatment plans, or
material safety data sheets
☐ Discern step sequence in general
instructions
 Reading Research
☐ Locate information in technical
reference and material manuals
☐ Observe client or instrumentation,
assess and put in order priority
factors, and report accurate findings
☐ Relate descriptive language to
technical concepts
• Reading Processing
☐ Comprehend the meaning of technical
terminology
☐ Interpret signs, symbols and labels ☐ Interpret technical references and
material regulations
Writing Reports, Letters and Memos
☐ Write complete, understandable
sentences
☐ Use correct spelling, grammar and
syntax
☐ Use dictionary and technical
resources
☐ Order ideas by importance and
support them
☐ Before writing, outline and organize
thoughts
☐ Structure report by topic per
paragraph
☐ Develop simple technical reports
☐ Write simple and logical instructions
& sequences

Writing Logs and Records

☐ Keep accurate notes, logbooks,

protocols

	Describe physical, chemical and operational situations in clear		assess content Analyze what's being said for
	language		Obtain a courate anguage
•	Writing Graphics		Obtain accurate answers Transcribe information with acc
ш	Understand graphics that illustrate	ш	and precision
_	points Mathematics		Validate information before pas
_	Mathematics Spot inconsistencies and outlines in a		along
_	service	•	Logic
П	Interpret meters and scales		Apply cause-and-effect principle
_	Use a scientific calculator		Apply correlation equations and
	Interpret exponential and logarithmic		principles
	relations		Apply deductive and inductive
•	Physical Situations		reasoning to situations
	Extrapolate know values to new levels		Organize information for diagno
•	Practical Physical/Biological		Interpret basic information
	Sciences	•	Problem-solving
	Apply temperature, pressure and		Apply background and academi
	volume relations concepts		knowledge to a problem
	Apply safe handling of hazardous		Test premise
	materials		Detect faulty data
	Use basic measurement instruments		Understand troubleshooting vs.
_	Basic animal science		term problem solving
	Basic anatomy	•	Analytical
	Basic biochemistry	Ц	Make organized subsets/tabulate
	Basic immunobiology		information
_	Basic microbiology		Provide examples for comparison
	Basic molecular biology		Interpret trends
	Basic organic chemistry	•	Related Technical Knowled
	Basic physiology Basic virology	ш	Principles of instruments used, s
_	Basic zoology		as microscopes, autoclaves, ana centrifuges, shields, safety hood
	Basic toxicology	П	Basic laboratory procedures suc
•	·		pipetting, sterile techniques;
	Use of comparisons, contrasts		knowledge of factors such as
_	sequences		pressure, air sensitivity
	Use of sampling and testing principles		Inventory and supply maintenan
	Distinguish relevant from irrelevant		Phlebotomy
	Assess reliability of sources used		Aseptic technique
	Make critical judgments		Basic human growth and develo
	Apply basic scientific method		General preventative health prac-
•	Speaking		such as nutrition, stress manage
	Phrase technical concepts clearly		Understanding of illness preven
	Formulate questions to get		Routine maintenance and calibr
	clarification	_	of equipment
	Repeat information accurately		Monitoring quality of sample or
	Use appropriate medical/technical	_	specimens
	terminology correctly	Ц	Lifting techniques
•_	Listening	•	Computer Skills
	Follow verbal instructions		Use spreadsheet programs
	Remember by listening and watching		Use drawing/graphics programs
	Think about what is not said		Use statistical programs
Ц	Assess speaker's understanding of the	•	I. EMPLOYABILITY SKILLS Attitudes & Attributes:
\Box	situation Weit and think before		
Ш	Wait and think before	1. 2.	Takes initiative
	speaking/answering Processing	2. 3.	Assumes responsibility Displays a good self-concept
•	Use critical thinking/questioning to	3. 4.	Persists until job is done
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Works well without supervision Takes responsibility for production/quality Conflicts do not impede performance curacy Seeks new challenges Applies ethics to behavior sing it 10. Responds well to criticism 11. Maintains a professional image 12. Works well under stress es Displays positive behaviors 14. Follows instructions 15. Adheres to code of conduct **Customer Service:** osis Adopt a customer service orientation Gather information from various sources to identify prospective ic customers/markets 3. Communicate with customer in a professional manner long-Maintain accurate and complete information about customers Document and process customer information/orders Interpret customer information to identify needs on 7. Offer options to problems and negotiate solutions ge Show customers how to implement, such plan and take action whenever alyzers, necessary ds Monitor implementation plan and ch as take action whenever necessary Identify new customer needs Inform customer when needs cannot be met ıce 12. Make alternate recommendations 13. Analyze customer feedback to pment improve internal customer support ctices, process ement Team Work: tion Works effectively in a team ation Follows instructions 3. Takes initiative Provides support to others Fosters innovation Manages relationships Adaptability: Accepts changes Performs multiple assignments Shows flexibility Adjusts style to the situation Handles multiple tasks simultaneously Adapts skills to new tasks

Retail, Tourism, Recreation and Entrepreneurship Cluster Certificate of Initial Mastery

☐ Demonstrate knowledge of basic first

aid procedures

I.

	situation)
I. ACADEMIC SKILLS	□ Demonstrate knowledge of accident
	prevention and reporting procedures
Basic Level of Proficiency	 Industry Knowledge
	☐ Demonstrate an understanding of the
Goals were met in Reading, Writing	employer's business (products/services
and Mathematics. Check all that apply.	provided and customers served)
and mathematics. Check an that appry.	☐ Demonstrate the ability to distinguish
☐ CMT - met state goal	between good and bad service
☐ CAPT - met state goal	☐ Demonstrate appropriate product
☐ SAT - achieve 1000 or higher	knowledge
☐ CASAS ECS Level C - exit out	Personal Attributes
☐ CASAS ECS Level C - exit out	☐ Be able to market yourself
	☐ Know the parameters of the job
□ Nationally recognized test -	☐ Exhibit punctuality and commitment to
scored at 75th percentile or higher	the job
II TELEVINICAL CHILLE	III. EMPLOYABILITY SKILLS
II. TECHNICAL SKILLS	Attitudes & Attributes:
• Listening	
☐ Practice active listening	1. Takes initiative
☐ Listen with accuracy	2. Assumes responsibility
☐ Ask appropriate questions	3. Displays a good self-concept
☐ Relay messages accurately	4. Persists until job is done
☐ Follow up on telephone inquiries	5. Works well without supervision
☐ Handle customer and co-worker	Takes responsibility for
inquiries	production/quality
 Speaking 	7. Conflicts do not impede performance
☐ Speak clearly and concisely	8. Seeks new challenges
☐ Greet customers	Applies ethics to behavior
☐ Discuss work-related issues effectively	Responds well to criticism
with co-workers/clients	11. Maintains a professional image
☐ Describe a product/service to	Works well under stress
customer/client	Displays positive behaviors
 Mathematics 	14. Follows instructions
☐ Calculate total price/cost (including	Adheres to code of conduct
price, taxes, fees, etc.)	 Customer Service:
☐ Simple accounting/inventory	1. Adopt a customer service orientation
management	Gather information from various
 Computer and Office Equipment 	sources to identify prospective
☐ Use technology to solve problems and	customers/markets
improve productivity	Communicate with customers in a
☐ Use a photocopier to make quality	professional manner
copies	 Maintain accurate and complete
☐ Operate a fax machine to send a	information about customers
document	Document and process customer
☐ Be proficient with point-of-sale	information/orders
registers and calculators	Interpret customer information to
☐ Enter and receive data through a	identify needs
terminal or PC	Offer options to problems and
Safety Skills	negotiate solutions
☐ Show initiative on the job	8. Show customers how to implement,
☐ Be able to locate and operate	plan and take action whenever
emergency exits and fire extinguishers	necessary
☐ Demonstrate proper use of ergonomics	9. Monitor implementation plan and
	* *

- 11. Inform customer when needs cannot be met
- 12. Make alternate recommendations
- 13. Analyze customer feedback to improve internal customer support process

Team Work:

☐ Demonstrate knowledge of emergency

take action whenever necessary

10. Identify new customer needs

loss) of power, injury or other

situation procedures (personal threats,

- Works effectively in a team
- Follows instructions
- Takes initiative
- Provides support to others
- Fosters innovation
- Manages relationships

Adaptability:

- Accepts changes
- Performs multiple assignments
- Shows flexibility
- Adjusts style to the situation
- Handles multiple tasks simultaneously
- Adapts skills to new tasks

Technologies: Manufacturing, Communications and Repair Cluster Certificate of Initial Mastery

I. ACADEMIC SKILLS

Basic Level of Proficiency

Goals were met in Reading, Writing

and Mathematics. Check all that apply.

□ CMT - met state goal □ CAPT - met state goal □ SAT - achieve 1000 or higher □ CASAS ECS Level C - exit out □ CASAS ECS Level D - exit out □ Nationally recognized test - scored at 75th percentile or higher
 II. TEHCNICAL SKILLS Data Measurement Analysis ☐ Interpret values from test equipment ☐ Interpret measuring instruments
☐ Interpret electrical and mechanical blueprint specifications
☐ Interpret setup charts ☐ Interpret data-gathering charts, scatter diagrams, pareto diagrams, histograms and statistical charts
and statistical charts ☐ Estimate materials and volume ☐ Interpret results from quantitative data ☐ Interpret two-dimensional drawings ☐ determine quality level to decide whether or not to continue
☐ Apply OSHA safety and hazardous material regulations to job tasks
Apply electrical and medical variables measurement principles, including the concepts of accuracy, repeatability and process tolerance, to job tasks
☐ Apply line and work station setup and machine capability to job tasks
☐ Maintain inventory levels, quality, availability and flow
 □ Write test reports □ Prepare service bills □ Maintain a discipline laboratory notebook that thoroughly and
accurately describes experimental concepts, setups, procedures and results obtained
☐ Write a technical reports that summarizes an experiment
☐ Complete a status report and machine log
☐ Record data during the fabrication process

☐ Apply legal requirements and government regulations to job tasks
☐ Identify and obtain sources of
information about customer needs
☐ Monitor quality and improvement
processes
☐ Investigate produce/process deviation and root cause of deviation
Build processes and prototypes
according to internal product design,
engineering instructions and customer
specifications
☐ Set quality criteria and test outcomes
against criteria
 Mathematics/Science
☐ Apply trigonometric principles to job tasks
☐ Apply calculus principles to job tasks
☐ Identify trends from data
 Apply physic principles associated with mechanics, pneumatics,
hydraulics, electronics and electricity
to job tasks
☐ Use programmable controls☐ Use mechanical measuring
equipment, including scales, calipers,
venires and dial indicators to measure
both linear and circular dimensions Use electrical measuring equipment
and devices, including volt, ampere
and ohm meters, oscilloscopes, and
frequency counters to take basic
measurements of electrical circuit
performance
☐ Set up equipment
☐ Perform electrical soldering☐ Set up and operate simple machine
tools such as a lathe, vertical mill,
drill press, saw, Bridgeport and
surface grinder
☐ Select tool types based on materials
and features to be machined
☐ Use offsets to finish setup and begin
operations ☐ Demonstrate mechanical aptitude
☐ Test equipment
☐ Troubleshoot and repair equipment
and/or recommend improvements
Computer Knowledge
☐ Apply computer concepts to job tasks
such as customer service tracking,
data entry, graphic design/layout
newsletters • Personal Attributes
■ Strong work ethics, including
attention to attendance and
punctuality

Ability to perform many tasks
Ability to learn
Ability to be flexible

III. EMPLOYABILITY SKILLS

Attitudes & Attributes:

- 1. Takes initiative
- 2. Assumes responsibility
- 3. Displays a good self-concept
- 4. Persists until job is done
- 5. Works well without supervision
- 6. Takes responsibility for production/quality
- 7. Conflicts do not impede performance
- 8. Seeks new challenges
- 9. Applies ethics to behavior
- 10. Responds well to criticism
- 11. Maintains a professional image
- 12. Works well under stress
- 13. Displays positive behaviors
- 14. Follows instructions
- 15. Adheres to code of conduct

Customer Service:

- 1. Adopt a customer service orientation
- Gather information from various sources to identify prospective customers/markets
- 3. Communicate with customers in a professional manner
- 4. Maintain accurate and complete information about customers
- 5. Document and process customer information/orders
- 6. Interpret customer information to identify needs
- Offer options to problems and negotiate solutions
- 8. Show customers how to implement, plan and take action whenever necessary
- 9. Monitor implementation plan and take action whenever necessary
- Identify new customer needs
 Inform customer when needs cannot be met
- 12. Make alternate recommendations
- Analyze customer feedback to improve internal customer support process

Team Work:

- 1. Works effectively in a team
- 2. Follows instructions
- 3. Takes initiative

- . Provides support to others
- Fosters innovation
 - Manages relationships
- Adaptability:
- Accepts changes
- 2. Performs multiple assignments
- 3. Shows flexibility
- 4. Adjusts style to the situation
- 5. Handles multiple tasks simultaneously
- 6. Adapts skills to new tasks